



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Sir:

Transmitted herewith for filing is the Patent Application of

Inventor (s): Edward Ray Beadle, Richard Hugh Anderson, John Fitzgerald Dishman,
Paul David Anderson and Gayle Patrick MartinTitle: SYSTEM AND METHOD FOR HYBRID MINIMUM MEAN SQUARED
ERROR MATRIX-PENCIL SEPARATION WEIGHTS FOR BLIND SOURCE
SEPARATION

Enclosed are:

- [X] Eighty-five (85) pages of specification and Claims 1-28, including an Abstract.
- [X] Twelve (12) sheets of formal drawings showing Figures 1-10, 11a, 11b, 12a, and 12b.
- [X] Combined Declaration and Power of Attorney.
- [X] A check in the amount of \$1,086.00 to cover the filing fee as calculated below:

| NUMBER OF CLAIMS | | NUMBER EXTRA | | LARGE/SMALL ENTITY | FEE |
|---|-----------|--------------------------------|---|--------------------|---------|
| TOTAL | 28 - 20 = | 08 | x | \$18 OR \$9 | = \$144 |
| INDEP. | 05 - 03 = | 02 | x | \$86 OR \$43 | = \$172 |
| MULTIPLE DEPENDENT [] YES | | \$290 OR \$145 = \$ | | | |
| (\$770.00 OR \$385.00) BASIC FILING FEE = \$770.00 | | TOTAL FILING FEES = \$1,086.00 | | | |

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or to credit any overpayment to Deposit Account No. 04-1679. A duplicate of this sheet is enclosed.

Respectfully submitted,



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